

SAP BUSINESS TECHNOLOGY PLATFORM | EXTERNAL

Configuration Guide

Joint Venture Cash Call Approval using SAP Build Process Automation

Table of Contents

Table of Contents	2
Overview	3
Artifacts	3
Process	3
Process Variants	5
Configure Process Variants for Joint Venture Cash Call Approval with SAP Build Process Automation	5
Decisions & Policies	6
Approver Determination Strategy	6
Determine Administrators	7
Determine Approvers	7
Determine Task Due Date	8
Determine Approvers from SAP S/4HANA via Integration Suite	10
Process Visibility	11
Configure Visibility Scenarios in SAP Build Process Automation	11
Access Process Workspace in SAP Build Process Automation	11
Configure Work Zone to access the Joint Venture Cash Call Approval Visibility Dashboard	11

Overview

This document provides information about configuration steps to consume the package **Joint Venture Cash Call Approval**. The main audience of this document are Business Process Experts and Process Operators.

The objective of the workflow is to automate workflow to cash call request to different approvers. The Joint Venture cash call process allows the operator to invoice partners for future estimated venture costs. Based on an estimate of the future costs, non-operating partners are invoiced for their share of the costs to be incurred.

The standard cash call process does not allow to route cash call request to different internal approver(s) before request sent to Joint Venture partner.

This extension fills that void and allows to send cash call request to different approver(s) before the request is posted to the system. This extension will notify relevant people about the cash call request made to Joint Venture partner.

Artifacts

A package consists of process templates, process steps, process variants, decisions, and process visibility models. During the setup of the live process package with name “Joint Venture Cash Approval Process”, all relevant artifacts would be imported, and this guide shows how they can be configured to make them work.

Process

A process template is a set of business activities and tasks that, once completed, fulfills an organization goal. The Joint Venture Cash Call Approval package contains the following process template:

Joint Venture Cash Call Approval– Cash calls are requests for payment for anticipated future capital and operating expenditures, sent by joint venture operators to non-operating partners.

A business process can be broken down logically into smaller parts or steps. Each process step is a collection of activities to perform a specific task. For example, an approval process step can contain activity to determine the approvers, approval task, notifications, and handle the approval result. **Error! Reference source not found.**1 represents the list of process steps/sub flows available to be used in Joint Venture Cash Call Approval.

Table 1: Process Steps

Process Steps	Cardinality	Detailed Description
Cost object approval	1..1 mandatory step	Workflow for the Cost object owner to take the action on the Joint Venture cash call
Supervisor approval	1..1 mandatory step	Workflow for the Joint Venture supervisor to take the action on the Joint Venture cash call
Post Cash Call	1..1 mandatory step	Workflow step for posting the Joint Venture cash call

Table 2: Process Attributes

Process Attributes	Detailed Description
Company Code	Company Code of Joint Venture Cash call
Operational Month	Operational Month of Joint Venture cash call

Cash Call Key

Business Key to uniquely identify joint venture cash calls raised for approval.

Sample Context with Start Conditions

```
{
  "cashCallDetails": {
    "companyCode": "4001",
    "docInformation": {
      "companyCode": "4001",
      "partner": "",
      "batchNumber": "UTAK000009",
      "effectiveDate": "20211101",
      "postingDate": "20211101",
      "postingPeriod": "11",
      "operationalMonth": "",
      "cashCallKey": "4001_UTAK000009_0000000000",
      "cashCallType": "gross",
      "requestorID": "XXX",
      "requestorEmail": "XXX@example.com"
    },
    "cashCallInformation": [
      {
        "jointVenture": "002000",
        "jointVentureDescription": "OPERATED VENTURE",
        "equityGroup": "EG3",
        "partner": "0000000006",
        "costCenter": "",
        "WBS": "00000418",
        "order": "",
        "fundCurrency": "USD",
        "fundAmount": "20.000,00",
        "costObjectOwnerId": "YYY",
        "costObjectOwnerEmail": "YYY@example.com"
      }
    ]
  }
}
```

Sample Context without Start Conditions

```
{
  "cashCallDetails": {
    "companyCode": "4001",
    "docInformation": {
      "companyCode": "4001",
      "partner": "",

```

```

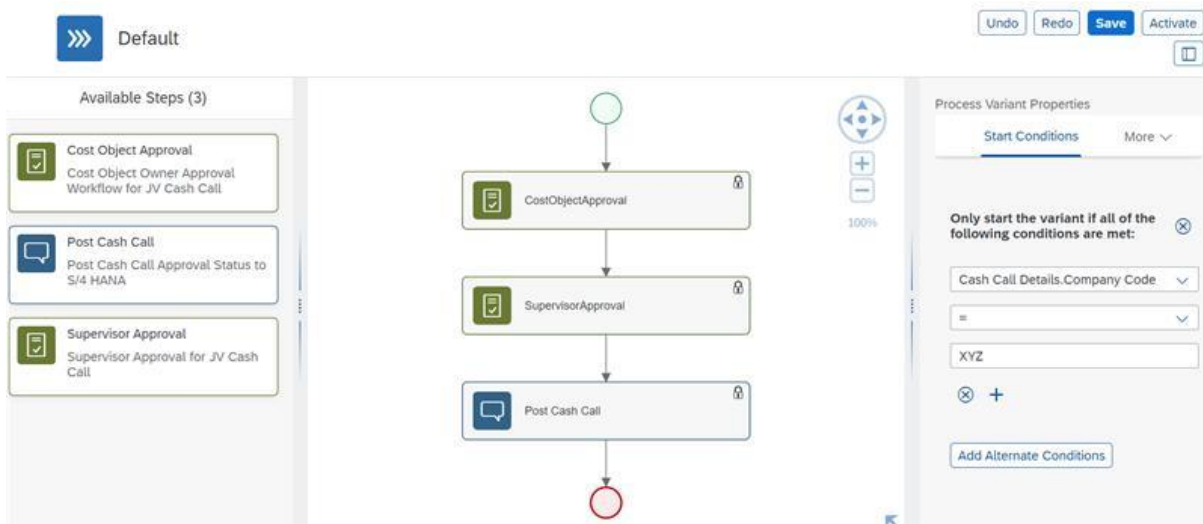
"batchNumber":"UTAK000009",
"effectiveDate":"20211101",
"postingDate":"20211101",
"postingPeriod":"11",
"operationalMonth":"",
"cashCallKey":"4001_UTAK000009_000000000",
"cashCallType":"gross",
"requestorID":"XXX",
"requestorEmail":"XXX@example.com"
},
"cashCallInformation": [
{
"jointVenture":"002000",
"jointVentureDescription":"OPERATED VENTURE",
"equityGroup":"EG3",
"partner":"0000000006",
"costCenter":"",
"WBS":"00000418",
"order":"",
"fundCurrency":"USD",
"fundAmount":"20.000,00",
"costObjectOwnerId":"YYY",
"costObjectOwnerEmail":"YYY@example.com"
}
]

```

Process Variants

A process variant consists of multiple process steps configured by a line of business experts. It is possible to create multiple variants of the same process.

Please refer [help documentation](#) about how to import content packages and configure a process variant.



Configure Process Variants for Joint Venture Cash Call Approval with SAP Build Process Automation

1. In the SAP Build Process Automation Lobby, click to open the package with name Joint Venture Cash Call Approval. This opens the package in a new tab/window.
2. Click the + icon next to the process template to create a new process variant.
3. Enter Name of the new Process Variant (ex, Two Step Approval).
4. Click the newly created Process Variant tile to save and activate the process variant.
5. The process variant has a default implementation with two steps and at least one level of approval.
6. It is possible to remove steps like “Approval for Joint Venture Cash Call Approval” from a process variant only if there are multiple approvals. Please note that whether a step is mandatory or optional, and how many a times any step can be used within a variant, are dependent on the constraints defined on the process steps.
7. Save and activate the variant. A successful activation will create a new workflow definition in the account that can be viewed in the [Monitor Processes and Workflows app](#).

Decisions & Policies

Decisions allow to encapsulate the business logic from core applications and supports the reuse of decisions across different business processes. Decisions enable customers to adopt changes in processes without changing the underlying workflows or application logic. SAP Build Process Automation has decisions capabilities that enables customers to centrally manage all decisions. Please go through the [decisions capabilities](#) in SAP Build Process Automation.

Joint Venture Cash Call Approval enable customers to flexibly configure decisions to gain flexibility to

1. Approver Determination Strategy
2. Determine Task Due Date
3. Determine Administrator
4. Determine Approver

Approver Determination Strategy

Based on the business requirement approval can be determined by external service or decisions.

Rule Service Name: Approver Determination Strategy

Input:

Name	Label	Description	Business Data Type
CompanyCode	Company Code	Company Code to which the JV cash call belongs to.	String >
JointVenture	Joint Venture	Joint Venture of the cash call.	String >
ApprovalStep	Approval Step	Unique identification of the approval step.	String >

Output:

Name	Label	Description	Business Data Type
DeterminationStrategy	Determination Strategy	Determination strategy can either “Business Rule” or “External Service” depending on cash call details	String >

Rule Definition

Details **Text Rule**

Text Rule

▼ If

Cash Call Details.Approval Step = 'JVSupervisor'

Then

Determination Strategy: 'Business Rules'

Determine Administrators

Determine administrators in case of any errors in fetching the approvers for Joint Venture cash call approval.

Rule Service Name: Determine Administrators

Input:

Name	Label	Description	Business Data Type
CompanyCode	Company Code	Company Code to which the JV cash call belongs to.	String >
JointVenture	Joint Venture	Joint Venture of the cash call.	String >
ApprovalStep	Approval Step	Unique identification of the approval step.	String >

Output:

Name	Label	Description	Business Data Type
UserId	User ID	User ID of the administrator.	String >
UserGroup	User Group	Group ID of the administrator.	String >
Email	Email	Email address of the administrator.	String >

Rule Definition

Approval Step	Email	User Group	User ID
= 'CostObjectOwner'	'email@example.com'	'email@example.com'	'email@example.com'
= 'JVSupervisor'	'email@example.com'	'email@example.com'	'email@example.com'

Determine Approvers

Determine approvers for an approval step in Joint Venture cash call approval process.

Rule Service Name: Determine Approvers

Input:

Name	Label	Description	Business Data Type
CompanyCode	Company Code	Company Code to which the JV cash call belongs to.	String >
JointVenture	Joint Venture	Joint Venture of the cash call.	String >
ApprovalStep	Approval Step	Unique identification of the approval step.	String >

Output:

Name	Label	Description	Business Data Type
Userid	User ID	User ID of the approver responsible for JV cash call approval.	String >
UserGroup	User Group	Group ID of the approvers responsible for JV cash call approval.	String >
Email	Email	Email address of the approvers responsible for JV cash call approval.	String >
SupervisorEmail	Supervisor Email	Email address of the supervisor.	String >
DueDuration	Due Duration	Due Duration	Number >
UnitofTime	Unit of Time	Unit of Time	String >

Rule Definition

If			Then			
Company Code	Joint Venture	Approval Step	Supervisor Email	Email	User Group	User ID
= 'XYZ'	= 'XYZ'	= 'JVSupervisor'	'email@example....'	'email@example....'	'Approver_GroupId'	'Approver_Userid'

Determine Task Due Date

Determine the due date duration for each step of the Joint Venture cash call approval process.

Rule Service Name: Determine Task Due Date

Input:

Name	Label	Description	Business Data Type
CompanyCode	Company Code	Company Code to which the JV cash call belongs to.	String >
JointVenture	Joint Venture	Joint Venture of the cash call.	String >
ApprovalStep	Approval Step	Unique identification of the approval step.	String >

Output:

Name	Label	Description	Business Data Type
UserId	User ID	User ID of the approver responsible for JV cash call approval.	String
UserGroup	User Group	Group ID of the approvers responsible for JV cash call approval.	String
Email	Email	Email address of the approvers responsible for JV cash call approval.	String
SupervisorEmail	Supervisor Email	Email address of the supervisor.	String
DueDuration	Due Duration	Due Duration	Number
UnitofTime	Unit of Time	Unit of Time	String

Rule Definition

Text Rule

▼ If

Cash Call Details.Approval Step = 'CostObjectOwner'

Then

Unit of Time: 'D'

Due Duration: 1

▼ Else If (1)

Cash Call Details.Approval Step = 'JVSupervisor'

Then

Unit of Time: 'D'

Due Duration: 1

Name	Label	Description	Business Data Type
UserId	User ID	User ID of the administrator.	String
UserGroup	User Group	Group ID of the administrator.	String
Email	Email	Email address of the administrator.	String

Joint Venture Cash Call Vocabulary Rules for Start and Step Conditions

Name	Label	Description	Business Data Type
companyCode	Company Code	Company Code of Joint Venture cash call	String

Determine Approvers from SAP S/4HANA via Integration Suite

Service gets Approvers for Joint Venture Cash Call in SAP S/4HANA based on data received from SAP Build Process Automation. Refer to the [Integration section](#) for more information.

API Attributes	Values
Path	/http/getApproversJvcashcallwfm
HTTP Method	GET
Payload sent by workflow (sample data)	<pre>{ "d": { "CashCall": \$. Refer to Sample Context without Start Conditions under section Process --, "Role": "JV Supervisor" } };</pre>
Response Payload from integration flow	<p>RESPONSE STATUS, Ex 200 OK</p> <pre>"ApproverRulesResult": {"d": {"approvers": [{"supervisorEmail": "email@example.com","email": "email@example.com","userGroup": "Approver_GroupId","userId": "Approver_UserId"}]}}</pre> <p>Note: When Status is not 200, then it is considered a failed service call.</p>
Payload Type	Application / JSON

Process Visibility

Process Visibility capability in SAP Build Process Automation enables process owners and process operators to gain real time visibility on processes and key process performance indicators. It also enables customers gain out of the box process visibility into their deployed processes. Please refer [help documentation](#) for more details.

Joint Venture Cash Call Approval process content package provide out of the box visibility on all the process variants in SAP Build Process Automation. Line of business expert will be able to enhance the visibility scenario to their requirements.

Configure Visibility Scenarios in SAP Build Process Automation

1. Go to the SAP Build Process Automation Lobby.
2. Select Joint Venture Cash Call Approval Project.
3. Click to open **Joint Venture Cash Call Approval** scenario.
4. Click Activate button.

Please go through the [help documentation](#) on how to configure the visibility scenario.

Access Process Workspace in SAP Build Process Automation

The content package includes a process visibility scenario enable you to get real time visibility into the Joint Venture Cash Call Approval Workflow. There are some performance indicators enable business users to gain transparency on how these workflows are performing. The process visibility configuration tool enables customers to further enhance the performance indicators to fulfill their requirements. Please go through [help documentation](#) on how to configure a visibility scenario.

You can access visibility workspace for Joint Venture Cash Call Approval Workflow from the Process Workspace tile in Work Zone. If you do not see that tile in your Work Zone workspace then request your admin to give you the access. Please go through [help documentation](#) on how to access process workspace

Configure Work Zone to access the Joint Venture Cash Call Approval Visibility Dashboard

1. Once you have added the applications process Visibility Scenario Instances (with app ID com.sap.spa.pv.instances) and Visibility Scenario Dashboard (with app ID com.sap.spa.pv.ovp), follow the below steps to add a tile to access the Joint Venture Cash Call Approval dashboard.
 - a. Navigate into “Visibility Scenario Dashboard”.
 - b. On the screen that opens, choose Create a Local Copy.
 - c. To use custom texts, choose Edit and adapt the texts in the General section.
 - d. You can use a custom title, description, and subtitle for the title.
 - e. Choose the Navigation tab.
 - f. Under the Intent section, ensure that the value in the Action tab is unique for every application.
 - g. Under the Parameters section, provide the following:

Parameter Name	Parameter Value
Name	scenariold
Default Value	com.sap.content.Joint_Venture_Cash_Call_Approval
Required	Toggle to Yes

- h. Choose Save.
 - i. Assign the local copy to a group and make sure that they're visible to users. For more information, see [Assign Apps to a Group and to a Catalog](#) and [Assign Content to a Role](#).
2. Once created, select app that corresponds to "Joint Venture Cash Call Approval".
 3. User will see the process visibility dashboard